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1645
INFORMATION DISCLOSURE STATEMENT
Examining Group 1645
Patent Application
Docket No. G-101US05REG
Serial No. 10/051,681

Frank C. Eisenschenk
Frank C. Eisenschenk, Ph.D., Patent Attorney

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : unknown
Art Unit : 1645
Applicant(s) : Daniel Cohen and Ilya Chumakov
Serial No. : 10/051,681
Filed : January 16, 2002
Conf. No. : 1458
For : Treatment of CNS Disorders Using D-Amino Acid Oxidase and D-Aspartate Oxidase Antagonists

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INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 AND 1.98

Sir:

In accordance with 37 C.F.R. § 1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO/SB/08 with initials or other appropriate marks. If any additional fee is required, or to credit any overpayment, please use Deposit Account No. 19-0065.

Applicants respectfully assert that the substantive provisions of 37 C.F.R. §§ 1.56, 1.97, and 1.98 are met by the foregoing statements.

Respectfully submitted,



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Attachments: Form PTO/SB/08A & B (10 pages)
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/051.681
				Filing Date	January 16, 2002
				First Named Inventor	D. COHEN, et al.
				Art Unit	1645
				Examiner Name	Unassigned
				Attorney Docket Number	101.US5.REG
Sheet	1	of	10		

[illegible]

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	F1	WO 00/22122 A2	04/20/2000	Genset		
	F2	WO 01/40493 A2	06/07/2001	Genset		
	F3	WO 00/58510 A2	10/05/2000	Genset		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/051.681
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		First Named Inventor	D. COHEN, et al.
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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	R1	ALSTON, T., et al. "Suicide inactivation of D-amino acid oxidase by 1-chloro-1-nitroethane"; The Journal of Biological Chemistry, Vol 258, N°2 : 1136-41, January 25, 1983	
	R2	BARAM, T., and al. "CRH gene expression in the fetal rat is not increased after pharmacological adrenalectomy"; Neuroscience Letters, Vol 142 : 215-8, 1992	
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	R8	DIXON, M., et al. "D-amino acid oxidase - I. Dissociation and recombination of the holoenzyme"; Biochimica et Biophysica Acta, Vol 96 : 357-67, 1965	
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	R12	FONDA, M, et al. "D-amino acid oxydase"; The Journal of Biological Chemistry, Vol 243, N°8 : 1931-5, April 25, 1968	
	R13	KRAUS, JL, et al. "Tetrazole isosteres of biologically active acids and thei effects on enzymes"; Research Communications in Chemical Pathology and Pharmacology, Vol 83, N°2 : 209-22, February 1994	
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	R17	HASHIMOTO, A, et al. "Free D-aspartate and D-serine in the mammalian brain and periphery"; Progress in Neurobiology, Vol 52 : 325-53, 1997	
	R18	HASHIMOTO, A, et al. "Free D-serine, D-aspartate and D-alanine in central nervous system and serum in mutant mice lacking D-amino acid oxydase"; Neuroscience Letters, Vol 152 : 33-6, 1993	
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	R20	HORIKE, K, et al. "Interaction between D-amino acid oxydase and small molecules"; Journal of Biochemistry, Vol 80 : 1073-83, 1976	
	R21	HUANG, J, et al. "Hepatocyte-catalysed detoxification of cyanide by L-and D-cysteine"; Biochemical Pharmacology, Vol 55 : 1983-90, 1998	
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	R23	KONNO, R, et al. "Mouse mutant deficient in D-amino acid oxidase activity"; Genetics, Vol 103 : 277-85, February 1983	
	R24	MARCOTTE, P, et al. "Sequence of reactions which follows enzymatic oxidation of allylglycine"; Biochemistry, Vol 17, N° 26 : 5620-6, 1978	
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	R26	MASSEY, V, et al. "On the interpretation of the absorption spectra of flavoproteins with special reference to D-amino acid oxidase"; Biochemistry, Vol 4, N°6 : 1161-73, June 1965	
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	R34	MIYANO, M, et al. "Studies on Phe-228 and Leu-307 recombinant mutants of porcine kidney D-amino acid oxidase - expression, purification and characterization"; J. Biochem, Vol 109, N°1 : 171-7, 1991	
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	R41	PORTER, D, et al. "Active site chlorination of D-amino acid oxidase by N-chloro-D-leucine"; The Journal of Biological Chemistry, Vol 251, N°19 : 6150-3, October 10, 1976	
	R42	RAMON, F, et al. "Chemical mechanism of D-amino acid oxidase from Rhodotorula gracilis : pH dependence of kinetic parameters"; Biochem. J., Vol 330 : 311-4, 1998	
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	R45	SCHELL, M, et al. "D-serine as a neuromodulator : regional and developmental localizations in rat brain glia resemble NMDA receptors" ; The Journal of Neuroscience, Vol 17, N*5 : 1604-15, March 1, 1997	
	R46	SETOYAMA, C, et al. "Structural and functional characterization of the human brain D-aspartate oxidase" ; J Biochem, Vol 121, N*4 : 798-803, 1997	
	R47	SNYDER, SH, et al. "D-amino acids as putative neurotransmitters : focus on D-serine" ; Neurochemical Research, Vol 25, N*5 : 553-60, 2000	
	R48	SWENSON, RP, et al. "Methylation of the active center histidine 217 in D-amino acid oxidase by Methyl-p-nitrobenzenesulfonate" ; The Journal of Biological Chemistry, Vol 259, N*9 : 5585-90, May 10, 1984	
	R49	SWENSON, RP, et al. "Chemical modification of D-amino acid oxidase" ; The Journal of Biological Chemistry, Vol 257, N*4 : 1937-44, February 25, 1982	
	R50	TANAKA, F, et al. "Interaction of steroids with D-amino acid oxidase" ; Biochimica et Biophysica Acta, Vol 522 : 43-8, 1978	
	R51	VAMECQ, J, et al. "Inhibition of peroxisomal fatty acyl-CoA oxidase by antimycin A" ; Biochem J, Vol 248 : 603-7, 1987	
	R52	VAN VELDHOVEN, P, et al. "D-aspartate oxidase, a peroxisomal enzyme in liver of rat and man" ; Biochimica et Biophysica Acta, Vol 1073 : 203-8, 1991	
	R53	WANG, H, et al. "Regulation of rat magnocellular neurosecretory system by D-aspartate : evidence for biological role(s) of a naturally occurring free D-amino acid in mammals" ; Journal of Endocrinology, Vol 167 : 247-52, 2000	
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	R56	AMERY, L, et al. "C-terminal tripeptide Ser-Asn-Leu (SNL) of human D-aspartate oxidase is a functional peroxisome-targeting signal"; Biochem J, Vol 336 : 367-71, 1998 - ABSTRACT	
	R57	ARMATI, PJ, et al. "A new medium for in vitro peripheral nervous tissue myelination without the use of antimetabolites"; J Neurosci Methods, Vol 33 (2-3) : 149-55, 1990 - ABSTRACT	
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	R63	D'ANIELLO, G, et al. "The role of D-aspartic acid and N-methyl-D-aspartic acid in the regulation of prolactin release"; Endocrinology, Vol 141(10) : 3862-70, 2000 - ABSTRACT	
	R64	D'ANIELLO, G, et al. "Occurrence of free D-aspartic acid in the circumoesophageal ganglia of Aplysia fasciata"; Life Sci, Vol 52(8) : 733-6, 1993 - ABSTRACT	
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	R66	FISHER, GH, et al. "Quantification of D-aspartate in normal and Alzheimer brains"; Neurosci Lett, Vol 143(1-2) : 215-8, 1992 - ABSTRACT	

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	R67	GILBERT, SF, et al. "Selective culture medium enhances survival of neuroblasts from postnatal rodent brain"; Brain Res Bull, Vol 16(6) : 853-60, 1986 - ABSTRACT	
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Filing Date January 16, 2002
First Named Inventor D. Cohen *et al.*
Group Art Unit 1645
Examiner Name unassigned
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	R98		
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